



LIFT STATION PIPING DETAIL
SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. PUMP PIPING SHOWN IS THE SAME FOR BOTH PUMPS.
2. VERIFY ALL PUMP HARDWARE DIMENSIONS FOR OPENING LOCATIONS AND PLACEMENT OF HARDWARE WITH PUMP MANUFACTURER.
3. SEE SHEET 3 FOR WET WELL AND VALVE/SUMP PIT DIMENSIONS.
4. SEE SHEET 4 FOR ADDITIONAL NOTES.

DRAWING DEVELOPED FOR ML-3/4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE)

KEYED NOTES:

- 1 CONDUITS FROM ELECTRICAL CONTROL PANEL. SEAL OPEN ENDS W/MASTIC WATERPROOF SEALANT.
- 2 PRESSURE GAUGE 0-100 PSI. INSTALL GAUGE FACE IN HORIZONTAL PLANE, FACING DRY WELL OPENING, WITH ISOLATION VALVE.
- 3 FLANGED BALL CHECK VALVE (FURNISHED WITH PUMP).
- 4 STAINLESS STEEL GUIDE BARS FOR PUMP REMOVAL (FURNISHED WITH PUMP).
- 5 STAINLESS STEEL LIFTING CHAIN (FURNISHED WITH PUMP).
- 6 FLANGED PLUG VALVE (FURNISHED WITH PUMP).
- 7 USE DRESSER TYPE COUPLINGS WHEN JOINING DISSIMILAR PIPING MATERIALS (TYP).
- 8 NON-SHRINK, NONMETALLIC GROUT (TYP).
- 9 2" ADJUSTABLE PIPE SUPPORT (TYP.)
- 10 SLOPE FINISH GRADE AWAY FROM CONCRETE LID.

2	12-18-02	U	DELETED DROP INLET BRANCH AND REVISED KEYED NOTES 9 AND 10.	RP	EH	DC	EH	TD
1	8-5-02	U	DRAWING REVISED AND TRANSFERRED TO CML CHAPTER. DWG NO. WAS ST3010, CHAPTER 6.	RP	EH	MT	EH	TD
NO	DATE	CLASS	REV	DESCRIPTION	OWN	VER	CHKD	SUB

**FACILITY & WASTE OPERATIONS
SYSTEMS ENGINEERING & MAINTENANCE**

LANL ENGINEERING MANUAL

DUPLEX SANITARY SEWAGE
LIFT STATION, 1.5 HP & LARGER

BLDG. X
SUBMITTED
DISCIPLINE POC: E. HOTH

TA-X
APPROVED FOR RELEASE
STANDARDS MANAGER: TOBIN GRUCH

Los Alamos
NATIONAL LABORATORY

PO Box 1663
Los Alamos, New Mexico 87545

CLASSIFICATION U
PROJECT ID

REVIEWER LARRY BAYS
DRAWING NO

DATE

DATE 8-28-99

SHEET 1

1 OF 4

CHAPTER 3

ST3710

REV 2